

## Refine Search

### Search Results -

Terms	Documents
L3 and reflection adj1 light	61

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L4





### Search History

DATE: Tuesday, March 16, 2004    [Printable Copy](#)    [Create Case](#)

#### Set Name Query

side by side

#### Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

<u>L4</u>	L3 and reflection adj1 light	61	<u>L4</u>
<u>L3</u>	L2 and vector	490	<u>L3</u>
<u>L2</u>	L1 and pixel and coefficients	1440	<u>L2</u>
<u>L1</u>	light and shading	13613	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

**Search Results - Record(s) 1 through 10 of 61 returned.**

☐ 1. Document ID: US 6614574 B2

L4: Entry 1 of 61

File: USPT

Sep 2, 2003

US-PAT-NO: 6614574

DOCUMENT-IDENTIFIER: US 6614574 B2

TITLE: Total internal reflection light modulating microstructure devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 2. Document ID: US 6614431 B1

L4: Entry 2 of 61

File: USPT

Sep 2, 2003

US-PAT-NO: 6614431

DOCUMENT-IDENTIFIER: US 6614431 B1

TITLE: Method and system for improved per-pixel shading in a computer graphics system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 3. Document ID: US 6583790 B1

L4: Entry 3 of 61

File: USPT

Jun 24, 2003

US-PAT-NO: 6583790

DOCUMENT-IDENTIFIER: US 6583790 B1

TITLE: Apparatus for and method of converting height fields into parametric texture maps

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 4. Document ID: US 6545677 B2

L4: Entry 4 of 61

File: USPT

Apr 8, 2003

US-PAT-NO: 6545677

DOCUMENT-IDENTIFIER: US 6545677 B2

TITLE: Method and apparatus for modeling specular reflection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 5. Document ID: US 6525740 B1

L4: Entry 5 of 61

File: USPT

Feb 25, 2003

US-PAT-NO: 6525740

DOCUMENT-IDENTIFIER: US 6525740 B1

TITLE: System and method for antialiasing bump texture and bump mapping

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 6. Document ID: US 6515674 B1

L4: Entry 6 of 61

File: USPT

Feb 4, 2003

US-PAT-NO: 6515674

DOCUMENT-IDENTIFIER: US 6515674 B1

TITLE: Apparatus for and of rendering 3d objects with parametric texture maps

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 7. Document ID: US 6504538 B1

L4: Entry 7 of 61

File: USPT

Jan 7, 2003

US-PAT-NO: 6504538

DOCUMENT-IDENTIFIER: US 6504538 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and system for generating light values for a set of vertices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 8. Document ID: US 6441821 B1

L4: Entry 8 of 61

File: USPT

Aug 27, 2002

US-PAT-NO: 6441821

DOCUMENT-IDENTIFIER: US 6441821 B1

TITLE: Method and apparatus for displaying three-dimensional image by use of tensor rendering

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 9. Document ID: US 6426749 B1

L4: Entry 9 of 61

File: USPT

Jul 30, 2002

US-PAT-NO: 6426749

DOCUMENT-IDENTIFIER: US 6426749 B1

TITLE: Method and apparatus for mapping reflectance while illuminating volume data in a rendering pipeline

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 10. Document ID: US 6411296 B1

L4: Entry 10 of 61

File: USPT

Jun 25, 2002

US-PAT-NO: 6411296

DOCUMENT-IDENTIFIER: US 6411296 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for applying modulated lighting to volume data in a rendering pipeline

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Terms	Documents
L3 and reflection adj1 light	61

Display Format: TI

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 11 through 20 of 61 returned.

☐ 11. Document ID: US 6404429 B1

L4: Entry 11 of 61

File: USPT

Jun 11, 2002

US-PAT-NO: 6404429

DOCUMENT-IDENTIFIER: US 6404429 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method for modulating volume samples with gradient magnitude vectors and step functions

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	<b>Attachments</b>	Claims	KIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	------------------	--------------------	--------	------	---------

☐ 12. Document ID: US 6400842 B2

L4: Entry 12 of 61

File: USPT

Jun 4, 2002

US-PAT-NO: 6400842

DOCUMENT-IDENTIFIER: US 6400842 B2

TITLE: Image processing apparatus and image processing method

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	<b>Attachments</b>	Claims	KIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	------------------	--------------------	--------	------	---------

☐ 13. Document ID: US 6381060 B1

L4: Entry 13 of 61

File: USPT

Apr 30, 2002

US-PAT-NO: 6381060

DOCUMENT-IDENTIFIER: US 6381060 B1

TITLE: Total internal reflection light modulating microstructure devices

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	<b>Attachments</b>	Claims	KIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	------------------	--------------------	--------	------	---------

☐ 14. Document ID: US 6369816 B1

L4: Entry 14 of 61

File: USPT

Apr 9, 2002

US-PAT-NO: 6369816

DOCUMENT-IDENTIFIER: US 6369816 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method for modulating volume samples using gradient magnitudes and complex functions over a range of values

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 15. Document ID: US 6356265 B1

L4: Entry 15 of 61

File: USPT

Mar 12, 2002

US-PAT-NO: 6356265

DOCUMENT-IDENTIFIER: US 6356265 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for modulating lighting with gradient magnitudes of volume data in a rendering pipeline

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 16. Document ID: US 6342885 B1

L4: Entry 16 of 61

File: USPT

Jan 29, 2002

US-PAT-NO: 6342885

DOCUMENT-IDENTIFIER: US 6342885 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for illuminating volume data in a rendering pipeline

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 17. Document ID: US 6333742 B1

L4: Entry 17 of 61

File: USPT

Dec 25, 2001

US-PAT-NO: 6333742

DOCUMENT-IDENTIFIER: US 6333742 B1

TITLE: Spotlight characteristic forming method and image processor using the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 18. Document ID: US 6330000 B1

L4: Entry 18 of 61

File: USPT

Dec 11, 2001

US-PAT-NO: 6330000

DOCUMENT-IDENTIFIER: US 6330000 B1

TITLE: Method and apparatus for performing arithmetic division with a machine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 19. Document ID: US 6317126 B1

L4: Entry 19 of 61

File: USPT

Nov 13, 2001

US-PAT-NO: 6317126

DOCUMENT-IDENTIFIER: US 6317126 B1

TITLE: Method and device for associating a pixel with one of a plurality of regions in a logarithm or cosine space

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 20. Document ID: US 6313846 B1

L4: Entry 20 of 61

File: USPT

Nov 6, 2001

US-PAT-NO: 6313846

DOCUMENT-IDENTIFIER: US 6313846 B1

TITLE: Texturing and shading of 3-D images

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms	Documents
L3 and reflection adjl light	61

Display Format:

TI

Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

## Hit List

[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate OACS](#)

**Search Results - Record(s) 21 through 30 of 61 returned.**

☐ 21. Document ID: US 6297834 B1

L4: Entry 21 of 61

File: USPT

Oct 2, 2001

US-PAT-NO: 6297834

DOCUMENT-IDENTIFIER: US 6297834 B1

TITLE: Direction-dependent texture maps in a graphics system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 22. Document ID: US 6236404 B1

L4: Entry 22 of 61

File: USPT

May 22, 2001

US-PAT-NO: 6236404

DOCUMENT-IDENTIFIER: US 6236404 B1

TITLE: Perspective projection calculation devices and methods

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 23. Document ID: US 6226007 B1

L4: Entry 23 of 61

File: USPT

May 1, 2001

US-PAT-NO: 6226007

DOCUMENT-IDENTIFIER: US 6226007 B1

TITLE: Method and apparatus for modeling specular reflection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 24. Document ID: US 6175367 B1

L4: Entry 24 of 61

File: USPT

Jan 16, 2001

US-PAT-NO: 6175367

DOCUMENT-IDENTIFIER: US 6175367 B1



TITLE: Method and system for real time illumination of computer generated images

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 25. Document ID: US 6130669 A

L4: Entry 25 of 61

File: USPT

Oct 10, 2000

US-PAT-NO: 6130669

DOCUMENT-IDENTIFIER: US 6130669 A

TITLE: Image processing method for stimulating structure in relief, and device for carrying out the method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 26. Document ID: US 6118453 A

L4: Entry 26 of 61

File: USPT

Sep 12, 2000

US-PAT-NO: 6118453

DOCUMENT-IDENTIFIER: US 6118453 A

TITLE: Graphics processor and system for determining colors of the vertices of a figure

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 27. Document ID: US 6050990 A

L4: Entry 27 of 61

File: USPT

Apr 18, 2000

US-PAT-NO: 6050990

DOCUMENT-IDENTIFIER: US 6050990 A

TITLE: Methods and devices for inhibiting hair growth and related skin treatments

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 28. Document ID: US 6043820 A

L4: Entry 28 of 61

File: USPT

Mar 28, 2000

US-PAT-NO: 6043820

DOCUMENT-IDENTIFIER: US 6043820 A

TITLE: Perspective projection calculation devices and methods

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 29. Document ID: US 6034693 A

L4: Entry 29 of 61

File: USPT

Mar 7, 2000

US-PAT-NO: 6034693

DOCUMENT-IDENTIFIER: US 6034693 A

TITLE: Image synthesizing apparatus, image synthesizing method and information  
storage medium

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 30. Document ID: US 5947823 A

L4: Entry 30 of 61

File: USPT

Sep 7, 1999

US-PAT-NO: 5947823

DOCUMENT-IDENTIFIER: US 5947823 A

TITLE: Three-dimensional game apparatus and image synthesizing method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Terms	Documents
L3 and reflection adjl light	61

Display Format:  [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

**Search Results - Record(s) 31 through 40 of 61 returned.**

☐ 31. Document ID: US 5877769 A

L4: Entry 31 of 61

File: USPT

Mar 2, 1999

US-PAT-NO: 5877769

DOCUMENT-IDENTIFIER: US 5877769 A

TITLE: Image processing apparatus and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	<b>Attachments</b>	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	------------------	--------------------	--------	------	---------

☐ 32. Document ID: US 5836872 A

L4: Entry 32 of 61

File: USPT

Nov 17, 1998

US-PAT-NO: 5836872

DOCUMENT-IDENTIFIER: US 5836872 A

TITLE: Digital optical visualization, enhancement, quantification, and classification of surface and subsurface features of body surfaces

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	<b>Attachments</b>	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	------------------	--------------------	--------	------	---------

☐ 33. Document ID: US 5835220 A

L4: Entry 33 of 61

File: USPT

Nov 10, 1998

US-PAT-NO: 5835220

DOCUMENT-IDENTIFIER: US 5835220 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for detecting surface flaws

Full	Title	Citation	Front	Review	Classification	Date	Reference	<b>Sequences</b>	<b>Attachments</b>	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	------------------	--------------------	--------	------	---------

☐ 34. Document ID: US 5777620 A

L4: Entry 34 of 61

File: USPT

Jul 7, 1998

US-PAT-NO: 5777620

DOCUMENT-IDENTIFIER: US 5777620 A

**\*\* See image for Certificate of Correction \*\***

TITLE: 3D graphics system grouping surface primitives with and without specularly

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 35. Document ID: US 5757321 A

L4: Entry 35 of 61

File: USPT

May 26, 1998

US-PAT-NO: 5757321

DOCUMENT-IDENTIFIER: US 5757321 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Apparatus and method for clipping primitives using information from a previous bounding box process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 36. Document ID: US 5744381 A

L4: Entry 36 of 61

File: USPT

Apr 28, 1998

US-PAT-NO: 5744381

DOCUMENT-IDENTIFIER: US 5744381 A

TITLE: Method of inspecting a pattern formed on a sample for a defect, and an apparatus thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 37. Document ID: US 5742289 A

L4: Entry 37 of 61

File: USPT

Apr 21, 1998

US-PAT-NO: 5742289

DOCUMENT-IDENTIFIER: US 5742289 A

TITLE: System and method of generating compressed video graphics images

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 38. Document ID: US 5706415 A

L4: Entry 38 of 61

File: USPT

Jan 6, 1998

US-PAT-NO: 5706415

DOCUMENT-IDENTIFIER: US 5706415 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for distributed interpolation of pixel shading  
parameter values

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 39. Document ID: US 5704024 A

L4: Entry 39 of 61

File: USPT

Dec 30, 1997

US-PAT-NO: 5704024

DOCUMENT-IDENTIFIER: US 5704024 A

TITLE: Method and an apparatus for generating reflection vectors which can be  
unnormalized and for using these reflection vectors to index locations on an  
environment map

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 40. Document ID: US 5682442 A

L4: Entry 40 of 61

File: USPT

Oct 28, 1997

US-PAT-NO: 5682442

DOCUMENT-IDENTIFIER: US 5682442 A

TITLE: Image processing system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L3 and reflection adj1 light

61

Display Format: TI

Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)